

**AN APPARATUS AND METHOD OF USING A THERMAL DESIGN FOR
WAVELENGTH DIVISION MULTIPLEXED HOLOGRAPHIC FILTERS**

5

Abstract of the Disclosure

A temperature compensated apparatus for filtering light is comprised of a holographically recorded grating defined in a photosensitive layer for providing optical filtration for light incident on the grating with a predetermined angle of incidence, and an angulation means responsive to temperature for tilting the
10 grating relative to the angle of incidence of the light as a function of temperature of the grating so that changes in the filtration by the grating compensate for changes in temperature of the grating to maintain effective filtration of the light approximately constant.